Recombinant Rhesus macaque CFD protein, Fc-tagged

Cat. No. CFD-9822R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus macaque CFD (Ile26-Ala253) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Rhesus macaque
Source	HEK293
ProteinLength	Ile26-Ala253
Description	Complement factor D (CFD) is also known as Adipsin, C3 convertase activator, Properdin factor D (PFD), which contains one peptidase S1 domain and belongs to the peptidase S1 family. CFD/Adipsin cleaves factor B when the latter is complexed with factor C3b, activating the C3bbb complex, which then becomes the C3 convertase of the alternate pathway. CFD/Adipsin is a serine protease that stimulates glucose transport for triglyceride accumulation in fats cells and inhibits lipolysis. Defects in CFD/Adipsin are the cause of complement factor D deficiency which predisposes to invasive meningococcal disease.
Predicted N Terminal	Ile26
Form	Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 51.0 kDa. The protein migrates as 53 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

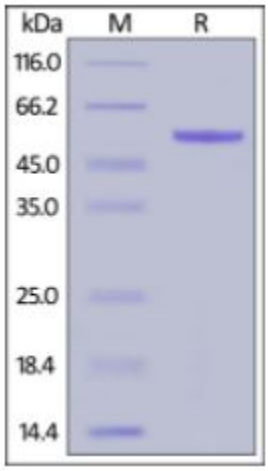
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Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CFD
Official Symbol	CFD
Synonyms	CFD; complement factor D (adipsin); D component of complement (adipsin), DF, PFD, properdin factor D; complement factor D; ADN; properdin factor D; C3 convertase activator; complement factor D preproprotein; D component of complement (adipsin); DF; PFD; ADIPSIN
Gene ID	721138
mRNA Refseq	XM_015122310.2
Protein Refseq	XP_014977796.2

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UniProt ID	G7Q061
SDS-PAGE of CFD-9822R	 Rhesus macaque Complement Factor D, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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